明治十九年十一月刊行

明治十九年三月
廿三日出版届濟

定價金拾三錢

観測士 海軍大尉 山崎喜勝閲
観測助手 海軍一等技手 中川將行
同 海軍二等技手 伊藤直温
同 海軍八等技手 小澤兼藏
同 海軍屬 日比翁輔
同 海軍屬 白井正信
同 海軍十等技手 永江董

(Signed) Observer.
Y. Yamazaki.

Assistant.
M. Nakagawa.
„ N. Itō.
„ K. Ozawa.
„ O. Hibi.
„ M. Shirai.
„ T. Nagaye.

REMARKS.

Day.	
1	B. C., M. in morning.
2	B. C.
3	*f. d.* in a. m.; *d.* in p.m.
4	C., R. after 3.30 p.m.; E at 1.35 p.m.
5	R.; B. C. after 10 a.m.; *f.p.* after 9 p.m.
6	*f.p.*
7	*d.*; B. in night.
8	*f. d.* in day; *f.p.* in night; *l. h.* after 6 p.m.
9	*f. p.*
10	*f. p.* in a.m.; B. C. in p.m.; C. after 9 p.m., with R. at intervals.
11	*f. d.*
12	C.; R. after 3 p.m.; *d.* in night; L. in the west, after 7 p.m.; *l. h.* at 10 p.m.
13	C.; R. after 11.40 p.m.
14	R.; C. after 1.30 p.m.
15	B. C. in a.m.; B. in p.m.
16	*f. p.* in all day.
17	*f. p.* in a.m.; B. C. in p.m.; C. after 9 p.m.
18	B. C. in a.m.; M. in morning; *d.* in p.m.
19	R. after 7 a.m.
20	R.; C. after 2 a.m.; B. C. in p.m.; C. after 9 p.m.
21	C., with R. at intervals.
22	C.; R. frquently after 4 p.m.; E. at 3.50 a.m.
23	B.C. in a. m.; *f. p.* in p.m.
24	*f. p.* in a.m.; C. in p.m.; R. after 8.30 p.m.
25	R.; C. after 8.30 p.m.; E. at 10.11 p.m.
26	C.; R. after 6 p.m.
27	R.; *f. p.* after 3.30 a.m.
28	B. in all days.
29	C. in a. m.; M. in morning; R. in p.m.
30	R.; B. C. after 7.40 p.m.
31	*f. p.* in a. m.; *d.* in p.m.; with R. at intervals after 7 p.m.

記事

一日 半晴朝霧濃厚
二日 半晴
三日 午前薄晴午後薄陰
四日 陰午後三時三十分ヨリ降雨　午後一時三十五分頃地震ス
五日 午前十時宿雨歇ミ後半晴午後九時過ヨリ快晴
六日 快晴
七日 薄陰夜來晴
八日 晝間薄晴夜間快晴午後六時過月暈ヲ帶フ
九日 快晴
十日 午前快晴午後半晴同九時頃ヨリ陰天時々微雨
十一日 薄晴
十二日 陰午後三時過暫時踈雨夜來薄陰同七時過西方ニ屢々電光シ同十時頃月暈ヲ帶フ
十三日 陰午後十一時四十分ヨリ降雨
十四日 午後一時三十分マテ降雨爾後陰
十五日 午前半晴午後晴
十六日 終日快晴
十七日 午前快晴午後半晴同九時過ヨリ陰
十八日 午前半晴朝霧濃厚午後薄陰
十九日 午前七時過ヨリ續テ降雨
二十日 午前二時過宿雨歇ミ午後半晴同九時過ヨリ陰
廿一日 陰時々降雨
廿二日 陰午後四時過ヨリ時々細雨　午前三時五分十頃地震ス
廿三日 午前半晴午後快晴
廿四日 午前快晴午後陰同八時三十分頃ヨリ降雨
廿五日 午後八時三十分宿雨歇ミ後陰　午後十時十一時頃地震ス
廿六日 陰午後六時頃ヨリ降雨
廿七日 午後三時三十分マテ微雨後漸々快晴
廿八日 終日晴
廿九日 午前陰朝霧濃厚午後細雨
三十日 午後七時四十分マテ降雨爾後半晴
卅一日 午前快晴午後薄陰同七時頃ヨリ時々降雨

地平磁針力
HORIZONTAL INTENSITY.

3rd Beginning time 3h 30m P. M. Ending 4 0 — 三日午後三時三十分ヨリ同四時ニ至ル

偏針角 Deflections.

磁氣 Mag.	北端 North end.	No.	A ° ′ ″	B ′ ″	Mean. ′ ″	No.	A ° ′ ″	B ′ ″	Mean ′ ″
東 East.	E.	1	181 3 40	2 40	3 10				
	W.					2	174 26 20	25 20	25 50
	E.	3	181 4 0	3 0	3 30				
	W.					4	174 26 40	25 40	26 10
	E.	5	181 4 20	3 20	3 50				
平均 Means		181° 3′ 30″.0				.... 174° 26′ 0.0″			
西 West.	W.					6	174 24 0	23 0	23 30
	E.	7	180 59 0	58 0	58 30				
	W.					8	174 23 40	22 40	23 10
	E.	9	180 59 0	58 0	58 30				
	W.					10	174 24 0	23 0	23 30
平均 Means.		180° 58′30.″0				.... 174° 23′ 23″.3			

平均温度 Mean Temperature $t = 76°.0$ fah.

偏針角 Angle of Deflection $u = 3° 18′ 9″.2$

搖振時 Oscillations.

振數 No. of Osc.	測時 Time. h	m	s	温度 Temp. °	尺度兩端之視閲數 Extreme. Scale-readings.		百振之時 Time of 100 Oscillations. m	s
0	4	9	17.2	75.0	1.2	59.2		
10	4	10	2.0					
20	4	10	47.0					
31	4	11	35.5					
41	4	12	20.3					
51	4	13	5.0					
100	4	16	43.1				7	25.9
110	4	17	27.5					25.5
120	4	18	12.1					25.1
131	4	19	1.1					25.6
141	4	19	46.0					25.7
151	4	20	30.1	74.8	15.0	45.0		25.1
平均 Means.				74.9	....		7	25.48

物捩差 Mean effect of 90° of Torsion $v = 4.15$

時儀日差 Daily rate $s = 0^s.68$ losing.

成果 Resulting absolute value X = 6.3250

22nd Beginning time 3h 30m P. M. Ending 4 0 — 二十二日午後三時三十分ヨリ同四時ニ至ル

偏針角 Deflections.

磁氣 Mag.	北端 North end.	No.	A ° ′ ″	B ′ ″	Mean. ′ ″	No.	A ° ′ ″	B ′ ″	Mean. ′ ″
東 East.	E.	1	59 42 40	42 0	42 20				
	W.					2	53 4 20	3 40	4 0
	E.	3	59 42 40	42 20	42 20				
	W.					4	53 4 20	3 40	4 0
	E.	5	59 42 40	42 0	42 20				
平均 Means.		59° 42′ 20″.0				.... 53° 4′ 0″.0			
西 West.	W.					6	53 1 20	0 40	1 0
	E.	7	59 37 20	36 40	37 0				
	W.					8	53 1 20	0 40	1 0
	E.	9	59 37 20	36 40	37 0				
	W.					10	53 1 30	0 50	1 10
平均 Means.		59° 37′ 0″.0				.... 53° 1′ 3″.3			

平均温度 Mean Temperature $t = 68°.9$ fah.

偏針角 Angle of Deflection $u = 3° 18′ 34.″2$

搖振時 Oscillations.

振數 No. of Osc.	測時 Time. h	m	s	温度 Temp. °	尺度兩端之視閲數 Extreme Scale-readings.		百振之時 Time of 100 Oscillations. m	s
0	4	20	7.0	68.0	1.3	58.0		
10	4	20	51.7					
20	4	21	36.0					
31	4	22	25.2					
41	4	23	10.0					
51	4	23	54.3					
100	4	27	32.1				7	25.1
110	4	28	17.0					25.3
120	4	29	1.8					25.8
131	4	29	50.8					25.6
141	4	30	35.3					25.3
151	4	31	20.0	66.3	14.2	44.8		25.7
平均 Means.				67.2	....		7	25.47

物捩差 Mean effect of 90° of Torsion $v = 3.38$

時儀日差 Daily rate $s = 0.^s29$ gaining.

成果 Resulting absolute value X = 6.3190

磁氣觀測之月報

東京海軍觀象臺

MONTHLY REPORT OF THE MAGNETICAL OBSERVATIONS,

NAVAL OBSERVATORY, TOKIO.

磁氣偏差
Magnetic Declination.

Day	° ′	Day	° ′	Day.	° ′	Day.	° ′	Day.	° ′	Day.	° ′	Day.	° ′	Day.	° ′
1	4 8.5	5	4 8.9	9	4 13.1	13	4 10.0	17	4 10.7	21	4 9.2	25	4 6.4	29	4 5.5
2	4 6.4	6	4 10.5	10	4 12.8	14	4 9.7	18	4 9.9	22	4 11.0	26	4 6.0	30	4 5.6
3	4 6.5	7	4 17.3	11	4 12.2	15	4 10.6	19	4 10.1	23	4 6.9	27	4 5.7	31	4 4.6
4	4 8.3	8	4 16 2	12	4 11 5	16	4 9.8	20	4 10.8	24	4 5.9	28	4 5.3		

平均 Mean = 4° 9′.22

磁氣傾差
Magnetic Inclination.

3rd Beginning / Ending time $4^h\ 53^m$ / 5 20 P. M. 三日午後四時五十三分ヨリ同五時二十分ニ至ル

極端 A Polarity of Marked end A.								極端 B Polarity of Marked end B.							
東面圈 Circle E.				西面圈 Circle W.				西面圈 Circle W.				東面圈 Circle E.			
東面針 Face E.		西面針 Face W.		東面針 Face E.		西面針 Face W.		西面針 Face W.		東面針 Face E.		西面針 Face W.		東面針 Face E.	
A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
49 40	49 41	49 30	49 28	49 59	49 57	49 35	49 31	48 50	48 53	49 13	49 14	50 3	50 4	49 35	49 36
49 42	49 42	49 54	49 53	49 40	49 37	49 36	49 31	48 52	48 53	49 12	49 15	50 1	50 0	49 50	49 52
49 41.0	49 41.5	49 42.0	49 40.5	49 49.5	49 47.0	9 35.5	49 31 0	48 51.0	48 35.0	49 12 5	49 14.5	50 2 0	50 2.0	49 42.5	49 44.0
49 41.2		49 41 2		49 48.3		49 33.3		48 52 0		49 13.5		50 2.0		49 43.2	
49 41.2				49 40 8				49 2.8				49 52.6			
49 41.0								49 27.7							

成果 Resulting Dip = 49° 34′.4

23rd Beginning / Ending time $8^h\ 40^m$ / 9 15 A. M. 廿三日午前八時四十分ヨリ同九時十五分ニ至ル

極端 A Polarity of Marked end A.								極端 B Polarity of Marked end B.							
東面圈 Circle E.				西面圈 Circle W.				西面圈 Circle W.				東面圈 Circle E.			
東面針 Face E.		西面針 Face W.		東面針 Face E.		西面針 Face W.		西面針 Face W.		東面針 Face E.		西面針 Face W.		東面針 Facle E.	
A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
49 46	49 46	49 43	49 45	49 13	49 9	49 5	49 0	48 50	48 53	49 13	49 16	50 19	50 21	50 4	50 7
49 54	49 54	49 55	49 55	48 53	48 50	49 7	49 1	49 2	49 6	48 57	49 1	50 20	50 20	49 39	49 40
49 50.0	49 50.0	49 49.0	49 50 0	49 3.0	48 59.5	49 6.0	49 0.5	49 56 0	48 59.5	49 5.0	49 8.5	50 19.5	50 20.5	49 51.5	49 53 5
49 50.0		49 49.5		49 1.3		49 3 3		48 57.7		49 6.7		50 20.0		49 52.5	
49 49.7				49 2.3				49 2.2				50 6.2			
49 26 0								49 34 2							

成果 Resulting Dip = 49° 30′.1

天候
WEATHER.

日次 Date	雲之種類 Kind of Cloud. 巻雲 Cirrus.	積雲 Cumulus.	層雲 Stratus.	巻積雲 Cirro-Cumulus.	巻層雲 Cirro-Stratus	積層雲 Cumulo-Stratus.	巻積層雲 Cirro-Cumulo-Stratus.	降雨 Rain.	降雪 Snow.	靄霧 Fog.	全晴 Clear.	陰部 Obscured part.	雨雪水量 Amount of Rain & Snow.
													in
1	1	1	...	4	2	...	...	...	...	...	...	4.8	0.01
2	...	...	...	3	1	2	2	...	...	...	...	4.4	...
3	...	...	1	6	1	...	...	...	...	...	...	6.8	...
4	...	...	...	5	...	...	...	3	...	...	...	9.9	...
5	...	3	...	...	...	1	...	3	...	...	1	8.0	0.70
6	...	...	...	7	...	...	1	...	...	...	...	2.1	...
7	...	1	...	2	...	5	...	...	...	...	...	6.6	...
8	...	...	...	3	4	...	1	...	...	...	...	4.5	...
9	...	...	...	3	1	...	2	...	...	...	2	2.6	...
10	1	...	...	7	...	...	...	...	...	...	...	4.1	...
11	1	...	...	3	1	1	1	...	...	...	1	6.5	...
12	...	...	...	5	...	3	...	...	...	...	...	10.0	...
13	...	...	3	...	...	1	3	1	...	...	...	10.0	...
14	...	1	...	1	...	2	...	4	...	...	...	9.9	1.41
15	...	...	...	1	1	...	6	...	...	...	...	5.1	0.67
16	1	1	...	3	...	...	...	...	...	...	3	1.6	...
17	1	1	...	4	1	...	...	...	...	...	1	5.8	...
18	...	...	...	7	...	...	...	...	...	1	...	9.3	...
19	...	...	...	2	...	...	...	6	...	...	...	10.0	0.04
20	1	...	3	2	1	1	...	...	...	...	...	7.5	2.91
21	...	...	3	1	...	1	...	3	...	...	...	10.0	0.01
22	...	...	...	...	1	2	4	...	...	1	...	9.0	0.30
23	...	...	1	3	2	...	1	...	...	...	1	4.3	0.02
24	...	...	...	2	4	...	...	2	...	...	...	6.6	...
25	...	...	...	...	...	...	2	6	...	...	...	10.0	0.52
26	...	...	1	...	...	2	2	3	...	...	...	10.0	0.59
27	...	...	...	6	...	...	2	...	...	...	...	5.4	0.22
28	...	...	...	6	...	1	...	...	...	...	1	2.3	...
29	...	...	...	3	...	1	...	3	...	1	...	9.1	...
30	...	...	...	3	...	...	...	5	...	...	...	9.4	0.59
31	...	...	...	4	...	...	3	1	...	...	...	5.5	0.06
合計 Sums.	6	8	12	96	20	23	30	40	...	3	10	...	8.05
平均 Means.	...	...	...	...	...	...	...	...	...	...	...	6.8	...

風 WIND.

日次 Date.	平穩時數 Hours of Calm.	北 N. 時數 Number of Hours.	北 N. 速力 Number of Miles.	東北 N. E. 時數 Number of Hours.	東北 N. E. 速力 Number of Miles.	東 E. 時數 Number of Hours.	東 E. 速力 Number of Miles.	東南 S. E. 時數 Number of Hours.	東南 S. E. 速力 Number of Miles.	南 S. 時數 Number of Hours.	南 S. 速力 Number of Miles.	西南 S. W. 時數 Number of Hours.	西南 S. W. 速力 Number of Miles.	西 W. 時數 Number of Hours.	西 W. 速力 Number of Miles.	西北 N. W. 時數 Number of Hours.	西北 N. W. 速力 Number of Miles.	計合 Total. 時數 Number of Hours.	計合 Total. 速力 Number of Miles.	最强 Strongest. 方位 Directions.	最强 Strongest. 速力 Miles.
1	2	17	90.3	1	1.4	4	14.3	...	...	...	...	...	...	...	...	...	...	24	106.0	N.	10.8
2	...	9	76.8	8	45.3	4	27.3	...	...	...	...	...	...	...	...	3	21.1	24	170.5	N.	10.8
3	1	1	4.1	3	14.9	2	3.2	8	23.8	...	...	...	...	...	...	9	46.3	24	92 3	N.W.	6.7
4	...	13	36.2	3	8.7	2	3.0	...	...	1	2.9	1	2.8	2	3.8	2	5.3	24	62.7	N.	5.9
5	2	7	32 5	1	0.6	...	...	10	11.4	...	...	...	...	...	...	4	18.5	24	63.0	N.W.	6.7
6	...	13	62.4	5	48.9	6	19.3	...	...	...	...	...	...	...	...	...	...	24	130.6	N.	11.3
7	2	9	62.2	...	...	...	...	9	11.0	...	...	4	31.5	...	...	...	...	24	104.7	N.W.	9.4
8	...	7	27.6	4	14.5	...	...	3	6.8	7	22.1	...	...	3	4.4	...	...	24	75.4	S.	7.3
9	1	8	81.6	5	22.5	...	...	5	17.9	...	...	...	...	...	...	5	19.8	24	141.9	N.	12.9
10	...	8	58.8	2	9.7	...	...	4	14.3	3	21.1	6	29.1	...	...	1	8.4	24	141.4	N.	9.9
11	...	3	3 6	...	...	...	...	1	1.9	3	27.9	8	51.4	1	0.2	8	15.5	24	100.5	S.W.	13.9
12	...	18	134.7	...	...	...	...	...	...	...	...	...	...	...	...	6	40.5	24	175 2	N.W.	13.6
13	...	14	115.2	10	135.2	...	...	...	...	...	...	...	...	...	...	...	...	24	250.4	N.E.	16.5
14	...	19	278.4	...	...	...	...	...	...	...	...	...	...	...	...	5	77.4	24	355.8	N.	*27.2
15	1	10	21.0	13	69.4	...	...	...	...	...	...	...	...	...	...	...	...	24	90.4	N.E.	13.6
16	2	10	30.1	...	...	1	1.3	10	34.0	...	...	...	...	1	3.2	...	...	24	68.6	S.E.	5.8
17	...	1	2.2	...	...	1	2.1	10	51.1	2	22.6	...	...	1	2.9	9	54.2	24	135.1	S.	12.0
18	...	1	0 7	...	...	...	...	...	...	14	81.9	3	6.0	2	4.3	4	10.1	24	103.0	S.	14.4
19	...	1	7.9	...	...	...	...	...	...	19	177.3	4	30.7	...	...	...	...	24	215.9	S.	17.3
20	...	15	129.4	9	84.1	...	...	...	...	...	...	...	...	...	...	...	...	24	213.5	N.E.	13.6
21	1	17	59.5	1	6.2	1	1.8	4	13.2	...	...	...	...	...	...	...	...	24	80.7	N.	7.9
22	1	16	75.9	7	53.2	...	...	...	...	...	...	...	...	...	...	...	...	24	129.1	N.E.	10.5
23	...	10	56.9	14	131.7	...	...	...	...	...	...	...	...	...	...	...	...	24	188.6	N.E.	14.8
24	...	21	173.4	3	21.8	...	...	...	...	...	...	...	...	...	...	...	...	24	195.2	N.	10.8
25	...	21	224.0	...	...	...	...	...	...	...	...	...	...	...	...	3	33.9	24	257.9	N.	15.8
26	...	20	139.8	4	19.8	...	...	...	...	...	...	...	...	...	...	...	...	24	159.6	N.	10.3
27	...	14	133.2	10	49.0	...	...	...	...	...	...	...	...	...	...	...	...	24	182.2	N.	11.2
28	1	10	50.4	3	11.2	1	4.6	9	31.7	...	...	...	...	...	...	...	...	24	97.9	N.	7.5
29	1	8	33.7	1	1.0	3	7.7	4	8.9	3	22.0	...	...	...	...	4	32.0	24	105.9	N.W	15.3
30	...	7	53.3	17	226 2	...	...	...	...	...	...	...	...	...	...	...	...	24	279.4	N.E.	18.0
31	...	23	305.1	...	...	...	...	...	...	...	...	...	...	...	...	1	10.8	24	315.9	N.	20.5
計合 Sums.	15	351	2560.9	124	975.2	25	84.6	77	226.0	52	378.4	26	151.5	10	18.8	64	393.8	744	4789.2	..	...
極强 Max.	...	..	...	..	...	..	...	..	...	..	...	..	...	..	...	..	...	..	...	N.	27.2

濕氣百分數

HUMIDITY.

(Saturation = 100)

日次 Date.	午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Midnight.
1	99	100	86	45	49	78	73	80
2	88	86	73	61	56	73	87	94
3	91	96	82	58	59	81	82	89
4	97	97	72	65	64	81	96	97
5	97	98	98	79	68	87	92	96
6	99	99	76	53	52	72	88	94
7	95	93	83	63	64	82	94	93
8	95	98	80	63	66	82	93	96
9	86	67	49	44	37	64	68	84
10	73	80	61	54	65	79	89	90
11	97	99	78	55	53	74	88	82
12	64	56	59	59	57	57	64	65
13	76	73	60	57	69	64	68	81
14	92	95	100	96	74	74	73	81
15	86	91	71	64	68	81	88	91
16	97	97	76	67	62	79	93	96
17	89	89	74	61	70	87	94	90
18	90	100	84	66	72	83	92	87
19	88	87	92	94	96	95	99	100
20	94	97	92	72	61	77	86	87
21	92	98	90	94	92	99	97	96
22	100	100	79	70	73	82	83	71
23	80	80	66	59	56	77	85	89
24	87	93	76	61	66	76	82	96
25	99	99	100	97	96	95	96	99
26	85	87	84	75	77	81	91	98
27	93	88	73	69	67	85	92	95
28	93	97	76	62	63	80	95	93
29	96	97	88	84	84	93	93	95
30	89	93	94	86	88	80	85	82
31	81	81	66	65	62	69	73	94
平均 Means.	90	91	79	68	67	80	86	90

力發蒸 ELASTIC FORCE OF VAPOUR.

日次 Date.	時三前午 3 A. M.	時六前午 6 A. M.	時九前午 9 A. M.	午正 Noon.	時三後午 3 P. M.	時六後午 6 P. M.	時九後午 9 P. M.	子正 Midnight.
	in	in	in	in	in	in	in	in
1	0.605	0.537	0.574	0.406	0.424	0.552	0.507	0.428
2	0.433	0.418	0.457	0.520	0.498	0.501	0.528	0.503
3	0.470	0.483	0.512	0.509	0.520	0.584	0.560	0.558
4	0.566	0.554	0.516	0.545	0.601	0.574	0.624	0.576
5	0.572	0.570	0.594	0.613	0.541	0.617	0.615	0.574
6	0.546	0.518	0.528	0.453	0.451	0.492	0.509	0.492
7	0.475	0.480	0.548	0.501	0.526	0.560	0.541	0.516
8	0.516	0.509	0.539	0.568	0.594	0.607	0.596	0.535
9	0.443	0.366	0.351	0.369	0.348	0.451	0.441	0.444
10	0.328	0.317	0.344	0.437	0.543	0.541	0.546	0.552
11	0.477	0.433	0.509	0.529	0.483	0.560	0.554	0.526
12	0.424	0.345	0.357	0.391	0.321	0.306	0.304	0.297
13	0.317	0.302	0.298	0.308	0.365	0.305	0.313	0.325
14	0.352	0.367	0.403	0.441	0.401	0.403	0.406	0.406
15	0.418	0.406	0.439	0.446	0.464	0.441	0.436	0.422
16	0.396	0.355	0.410	0.475	0.467	0.465	0.418	0.401
17	0.358	0.322	0.389	0.464	0.548	0.560	0.598	0.558
18	0.533	0.524	0.552	0.590	0.603	0.611	0.594	0.596
19	0.584	0.601	0.657	0.655	0.650	0.630	0.661	0.611
20	0.594	0.558	0.603	0.558	0.524	0.507	0.505	0.498
21	0.509	0.526	0.511	0.545	0.560	0.574	0.535	0.531
22	0.518	0.475	0.500	0.511	0.516	0.491	0.454	0.356
23	0.360	0.340	0.344	0.366	0.331	0.373	0.356	0.342
24	0.336	0.334	0.352	0.370	0.421	0.418	0.407	0.424
25	0.443	0.446	0.482	0.511	0.516	0.492	0.496	0.512
26	0.439	0.436	0.459	0.472	0.472	0.467	0.492	0.477
27	0.480	0.454	0.465	0.475	0.491	0.520	0.494	0.477
28	0.467	0.436	0.470	0.456	0.511	0.479	0.470	0.447
29	0.425	0.397	0.487	0.526	0.560	0.535	0.505	0.449
30	0.406	0.403	0.377	0.334	0.322	0.289	0.301	0.298
31	0.243	0.237	0.245	0.307	0.321	0.324	0.312	0.360
均平 Means.	0.453	0.434	0.460	0.473	0.480	0.491	0.486	0.467

露點温度

DEW POINT.

日次 Date.	午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Midnight.
	°	°	°	°	°	°	°	
1	64.4	61.0	62.9	53.2	54.4	61.8	59.4	54.7
2	55.0	54.0	56.5	60.1	58.9	59.1	60.5	59.2
3	57.3	58.1	59.7	59.5	60.1	63.4	62.2	62.1
4	62.5	61.9	59.9	61.4	64.2	62.9	65.3	63.0
5	62.8	62.7	63.9	64.8	61.2	65.0	64.9	62.9
6	61.5	60.0	60.5	56.2	56.1	58.6	59.5	58.6
7	57.6	57.9	61.6	59.1	60.5	62 2	61.2	59 9
8	59.9	59.5	61.1	62.6	63.9	64.5	64.0	60.9
9	55.6	50.4	49.2	50.6	49.0	56.1	55.5	55.7
10	47.4	46.5	48.7	55.3	61.3	61.2	61.5	61.8
11	57.7	55.0	59.5	60.6	58.1	62.2	61.9	60.4
12	54.4	48.8	49.7	52.2	46.8	45.6	45.4	44.8
13	46.5	45.2	44.9	45.7	50.3	45.5	46.2	47 2
14	49.3	50.5	53.0	55.5	52 9	53.0	53.2	53.2
15	54.0	53.2	55.4	55.8	56.9	55.5	55.2	54.3
16	52.5	49.5	53.5	57.6	57.1	57.0	54.0	52.9
17	49.8	46 9	52.1	56.9	61.6	62.2	64.1	62.1
18	60.8	60.3	61.8	63.7	64.3	64.7	63.9	64.0
19	63.4	64.2	65.8	66.7	66.5	65.6	67.0	64.7
20	63.9	62.1	64.3	62.1	60.3	59.4	59.3	58.9
21	59.5	60.4	59.6	61.4	62.2	62.9	60.9	60.7
22	60.0	57.6	59 0	59.6	59.9	58.5	56.3	49.6
23	49.0	48.4	48 7	50.4	47.7	50.9	49.6	48.5
24	48.1	47.9	49 3	50.7	54.2	54.0	53.3	54.4
25	55.6	55.8	58.0	59.6	59.9	58.6	58.8	59.7
26	55 4	55.2	56.6	57.4	57.4	57.1	58.6	57.7
27	57.9	56.3	57.0	57.6	58.5	60.1	58.7	57.7
28	57.1	55.2	57.3	56.4	59.6	57.8	57.3	55.9
29	54 5	52.6	58.3	60.4	62.2	60.9	59.3	56.0
30	53.2	53.0	51.2	47.9	46.9	44.1	45.1	44.9
31	39.6	38.9	39.8	45.7	46.8	47.1	46.1	49.9
平均 Means.	55.7	54.5	56.1	57.0	57.4	58.0	57.7	56.7

日次 Date.	寒暑鍼 THERMOMETER. 午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Midnight.
	°	°	°	°	°	°	°	°
1	64.6	61.0	66.5	76 5	75.0	68.9	68.2	60.9
2	58.8	58 2	65.5	74.2	76.0	68.0	65.0	60.9
3	60.0	59.2	65.5	75 3	75.5	69.4	68.0	65.2
4	63.4	62 8	60.2	74.0	75.0	68.9	66 4	63 9
5	63.5	63.3	64.4	71.8	72.5	69.0	67.4	64.0
6	61.9	60.2	68.5	74.8	75.0	68.0	63.2	60.3
7	58.9	59.8	67.0	72 2	73.5	68.0	63.0	61.8
8	61.2	60.1	67.6	76.3	76.2	70.2	66.0	62.0
9	60.0	61.4	69.2	74.0	77.0	69.0	6[illegible].5	60.7
10	56.0	52.3	62.5	73.0	73.7	68.0	64.9	64.7
11	58.5	55.4	66.7	78.0	76.8	71.0	65.7	66.2
12	67.0	64.9	64.3	67.0	62 5	61.0	57.6	56.2
13	54.0	53.5	58.5	61.3	60.5	57.7	56.6	53 0
14	51.5	51.9	53.0	56.7	61.3	61.2	61.7	59.3
15	58.2	56.0	65.0	68.3	68.0	61.3	59.0	57.0
16	53.3	50.5	61.0	69.2	70.8	63.6	56.2	54.1
17	52.5	50.0	60 5	71.0	71.9	66.2	65.7	65.0
18	63.9	60.3	66.8	76 0	73.6	70 0	66.2	68.0
19	67.0	68.2	69.3	68.5	67.6	67.0	67.5	64.7
20	65.5	63.0	66.8	71.7	74.4	67.0	63.7	63.0
21	61.8	61.0	62.5	63.2	64.7	63.1	61.8	61.8
22	60.0	57.6	65.9	69 8	68.8	64.0	61.7	59.0
23	55.1	54 3	60.0	65.0	63.7	58.1	54.0	51.5
24	51.9	49.8	57.0	64.4	65.6	62.0	59.0	55.6
25	56.0	56.0	58.0	60.4	60.5	59.9	59.9	59.9
26	60.0	59 2	61.4	65.5	64.7	63.0	61.2	58.3
27	59.8	59.9	65.0	68.3	70.0	64.6	61.0	59 0
28	59.0	56.0	65.0	70.0	73.0	64.2	58.8	58.0
29	55.7	53.6	62.0	65.5	67.2	62.9	61.4	57.5
30	56.5	55.0	53.0	52.1	50.8	50.3	49.3	50.0
31	45.2	44.2	51.0	57.0	59.8	57.3	54.5	51.7
平均 Means.	58.7	57.4	63.2	68.7	69.2	64.6	62.0	59.8

日次 Date.	改正風雨鍼 BAROMETER. Reduced to 32° F. and sea level.							
	午前三時 3 A. M.	午前六時 6 A. M	午前九時 9 A. M.	正午 Noon.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Midnight.
	in	in	in	in	in	in	in	in
1	29.926	29.969	30.020	30.019	30.001	30.043	30.073	30.091
2	30.080	30.114	30.146	30.106	30.082	30.090	30.108	30.101
3	30.063	30.082	30.114	30.087	30.053	30.054	30.094	30.074
4	30.064	30.091	30.115	30.043	30.032	30.019	30.017	29.944
5	29.862	29.878	29.872	29.826	29.802	29.822	29.853	29.867
6	29.904	29.941	30.019	30.010	30.004	30.051	30.110	30.114
7	30.124	30.151	30.185	30.158	30.114	30.113	30.108	30.090
8	30.073	30.073	30.059	29.988	29.927	29.903	29.887	29.910
9	29.916	29.972	30.040	30.040	30.026	30.063	30.100	30.109
10	30.111	30.124	30.151	30.122	30.054	30.046	30.010	29.977
11	29.918	29.895	29.897	29.810	29.740	29.726	29.815	29.838
12	29.852	29.918	29.992	30.024	30.040	30.076	30.112	30.118
13	30.152	30.197	30.269	30.260	30.241	30.258	30.249	30.194
14	30.145	30.065	30.020	29.803	29.807	29.906	29.956	29.972
15	29.976	30.025	30.074	30.082	30.081	30.139	30.175	30.176
16	30.168	30.197	30.247	30.219	30.206	30.219	30.265	30.281
17	30.272	30.315	30.349	30.336	30.290	30.292	30.308	30.293
18	30.290	30.302	30.326	30.282	30.245	30.231	30.220	30.200
19	30.165	30.132	30.128	30.093	30.061	30.048	30.036	30.020
20	30.026	30.072	30.143	30.112	30.080	30.098	30.119	30.072
21	30.016	29.963	29.942	29.855	29.767	29.759	29.775	29.782
22	29.771	29.849	29.934	29.974	30.013	30.100	30.194	30.237
23	30.271	30.332	30.391	30.378	30.380	30.404	30.436	30.418
24	30.387	30.375	30.354	30.307	30.225	30.217	30.179	30.128
25	30.024	29.994	29.979	29.939	29.917	29.923	29.995	30.030
26	30.047	30.061	30.122	30.101	30.074	30.103	30.108	30.107
27	30.094	30.107	30.138	30.126	30.094	30.115	30.171	30.176
28	30.166	30.174	30.187	30.159	30.118	30.102	30.140	30.074
29	30.042	30.006	29.993	29.914	29.830	29.804	29.827	29.835
30	29.850	29.922	29.936	30.007	30.041	30.096	30.160	30.186
31	30.203	30.222	30.281	30.235	30.235	30.239	30.258	30.241
平均 Means.	30.063	30.081	30.112	30.080	30.051	30.067	30.092	30.086

氣象觀測之月報

東京海軍觀象臺

MONTHLY REPORT

OF THE

METEOROLOGICAL OBSERVATIONS,

NAVAL OBSERVATORY, TOKIO.

Lat. 35° 39′ 17″5 N. Long. 139° 44′ 30″3 E. Height above sea-level 70 feet.

日次 Date.	改正風雨鍼 Barometer. Reduced to 32 F. & sea level.			寒暑鍼 Thermometer.			露點溫度 平均 Mean Temp. of Dew point.	蒸發力 平均 Mean elastic force of Vapour.	濕氣百分數 平均 Mean Humidity (Sat.=100).	無氣中日温度 高極 Vacuum solar radiation Max.	日温度 高極 Solar radiation Max.	地温度 低極 Terrestrial radiation Min.
	平均 Mean.	高極 Max.	低極 Min.	平均 Mean.	高極 Max.	低極 Min.						
	in	in	in	°	°	°	°	in		°	°	°
1	30.018	30.091	29.926	67.7	77.5	60.5	59.0	0.505	76	* 144.7	101.6	42.5
2	30.103	30.146	30.080	65.8	76.8	57.3	57.9	0.482	77	143.0	91.8	39.8
3	30.078	30.114	30.053	67.3	77.4	58.5	60.3	0.525	80	138.5	103.3.	39.5
4	30.041	30.115	29.914	68.0	76.1	61.7	62.6	0.570	84	119.2	94.5	43.8
5	29.848	29.878	29.802	67.0	74.8	62.1	63.5	0.587	89	136.8	103.3	46.0
6	30.019	30.114	29.904	66.5	76.0	59.6	58.9	0.499	79	139.0	102.3	39.7
7	30.130	30.185	30.090	65.5	75.8	58.2	60.0	0.518	83	140.0	105.0	40.8
8	29.978	30.073	29.887	67.5	* 78.7	59.6	62.1	0.558	84	140.0	* 107.0	40.9
9	30.033	30.109	29.916	67.2	77.8	58.6	52.8	0.402	62	137.4	96.7	37.0
10	30.074	30.151	29.977	64.4	74.6	51.0	55.5	0.451	74	138.0	99.5	32.8
11	29.829	29.918	* 29.726	67.3	78.3	55.0	59.4	0.509	78	143.0	102.7	35.0
12	30.017	30.118	29.852	62.6	67.8	55.6	48.5	0.343	60	99.5	78.0	38.4
13	30.228	30.269	30.152	56.9	62.7	52.9	46.4	0.317	69	100.2	75.9	34.5
14	29.968	30.145	29.807	57.1	62.6	51.0	52.6	0.397	86	93.0	69.4	32.5
15	30.091	30.176	29.976	61.6	69.2	55.6	55.0	0.434	80	134.2	93.0	34.8
16	30.225	30.281	30.168	59.8	71.7	50.5	54.3	0.423	83	131.6	98.5	31.5
17	30.308	30.349	30.272	62.9	74.1	49.1	57.0	0.475	82	135.0	97.0	* 30.4
18	30.262	30.326	30.200	68.1	77.0	59.8	62.9	0.575	84	140.5	102.3	43.8
19	30.085	30.165	30.020	67.5	71.2	64.5	65.6	0.631	94	87.5	73.5	49.0
20	30.090	30.143	30.026	66.9	75.2	61.6	61.3	0.543	83	132.0	94.5	44.2
21	29.858	30.016	29.759	62.5	65.2	60.2	61.0	0.536	95	81.8	69.0	44.6
22	30.009	30.237	29.771	63.4	70.9	57.0	57.6	0.478	82	123.7	95.9	54.5
23	30.376	* 30.436	30.271	57.7	65.3	51.0	49.2	0.352	74	132.8	89.8	46.5
24	30.272	30.387	30.128	58.2	67.5	49.0	51.5	0.383	80	124.8	84.7	45.7
25	29.976	30.030	29.917	58.8	60.7	51.8	58.3	0.487	98	71.1	69.7	49.0
26	30.090	30.122	30.047	61.7	65.8	57.8	56.9	0.464	85	99.8	79.0	56.0
27	30.128	30.176	30.094	63.5	71.8	57.5	58.0	0.482	83	134.2	92.0	54.7
28	30.140	30.187	30.074	63.0	73.7	55.1	57.1	0.467	82	136.1	95.6	51.8
29	29.906	30.042	29.804	60.7	67.6	52.8	58.0	0.486	91	112.7	84.2	48.5
30	30.031	30.186	29.850	52.1	58.7	48.9	48.3	0.341	87	69.5	61.0	45.0
31	30.239	30.281	30.203	52.6	60.8	* 43.5	44.2	0.294	74	123.0	79.7	39.3
平均 Means.	30.079	...	...	63.0	...	...	56.6	0.468	81	...	...	...
至極 Max. & Min.	...	30.436	29.726	...	78.7	43.5	...	...	...	144.7	107.0	30.4

凡例

一風雨鍼ハ氷點及海面ニ改正ス
一寒暑鍼ハ都テ華氏ノ度表ヲ用フ
一露點、濕氣、蒸發力、ハ燥濕兩球寒暑鍼ノ實驗ヨリ算出ス
一風ノ方向及速力ハ自記驗風儀ヲ以テ之ヲ測ル而シテ方向ハ八點ニ分チ速力ハ英里ヲ以テ算ス
一天候ノ表中降雨、降雪、霰、霧、雲ノ種類ハ悉皆觀望ノ時數ヲ掲ゲ陰部ハ一日間全陰ヲ十トシ他ハ之ニ比例ス
又雨雪ノ水積ハ毎午前九時ニ實驗シ英寸ヲ以テ之ヲ示ス

一磁氣偏差ハ連日午前七時傾差及地平磁針力ハ連月兩回之ヲ觀測ス
一此觀測ノ用器ハ偏差儀傾差儀及「ユーニファイラ」磁氣儀ナリ
一偏針角ノ觀測ニ於テ兩磁氣中心ノ相距ハ一、三英尺トス
一搖振時ノ觀測ニ用フル磁氣ノ尺度一劃分ノ價ハ二分、三七ナリ

NOTE.

The Barometer readings are reduced to freezing point (32° F) and sea level.

Dew point, Humidity and Elastic force of Vapour are deduced from the readings of the dry and wet bulb thermometers.

Direction and Velocity of Wind are measured by Glayser's anemograph.

The numbers under the headings of Rain, Snow, Fog and the kinds of Cloud (C. K. S. N. or Rain) denote how many, out of eight observations made in a day, are either of them.

The portion of sky obscured is determined by estimation after a careful scrutiny of the clouds or sky. A clear sky is denoted by 0, and a total obscuration by 10.

The amount of Rain and Snow are measured at 9 a. m.

The Magnetic declination is observed at 7 a. m. every day, the inclination and the horizontal intensity twice a month, the instruments in use being Declinometer, Inclinometer, and Unifilar Magnetometer.

The apparent distance between the centers of the deflecting and the suspending magnets in the observation of deflection, $r = 1.3$ feet.

The angular value of one scale division of the vibration magnet = $2'.37$.

晴天 B. (Blue Sky). 陰天 C. (Cloudy Weather). 濛雨 D. (Drizzling, or Light Rain).
地震 E. (Earthquake). 霧 F. (Fog). 暗黒 G. (Dark, gloomy). 霰 H. (Hail).
霜 H. F. (Hoar Frost). 電 L. (Lightning). 濃霧 M. (Misty). 陰雲 O. (Overcast).
驟雨 P. (Passing shower). 嵐 Q. (Squally). 雨 R. (Rain). 雪 S. (Snow). 雷 T. (Thunder).
天氣險惡ノ模樣 U. (Ugly, threatening). 天氣不定 V. (Variable Weather). 露 W. (Dew).
霞霧 Z. (Hazy). 日暈 *s. h.* (Solar Halo). 月暈 *l. h.* (Lunar Halo). 虹 *r. b.* (Rainbow).
風 *w* (Wind). The force of wind is expressed by w_1, w_2, &c, as w_1 = slight, w_5 = strongest.
快晴 *f. p.* (Fine and pleasant). 薄晴 *f. d.* (Fine, but dull). 薄陰 *d.* (Dull).

氣象及磁氣月報

東京

海軍水路部觀象臺

明治十九年十月

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